

(19) World Intellectual Property Organization International Bureau



(43) International Publication Date
6 May 2005 (06.05.2005)

PCT

(10) International Publication Number
WO 2005/039710 A1

(51) International Patent Classification⁷: A63C 17/06 (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(21) International Application Number: PCT/EP2004/050727

(22) International Filing Date: 6 May 2004 (06.05.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data: PN2003A000076 20 October 2003 (20.10.2003) IT

(71) Applicant (for all designated States except US): M.G.M. S.p.A. [IT/IT]; Via Trento e Trieste 112/C, I-31050 CAVASAGRA DI VEDELAGO (TV) (IT).

(72) Inventor; and

(75) Inventor/Applicant (for US only): BATTOCCHIO, Andrea [IT/IT]; Viale Alessandro Manzoni 101, I-36060 Romano d'Ezzelino (IT).

(74) Agent: GIUGNI, Valter; Propria S.r.l., Via Mazzini 13, I-33170 Pordenone (IT).

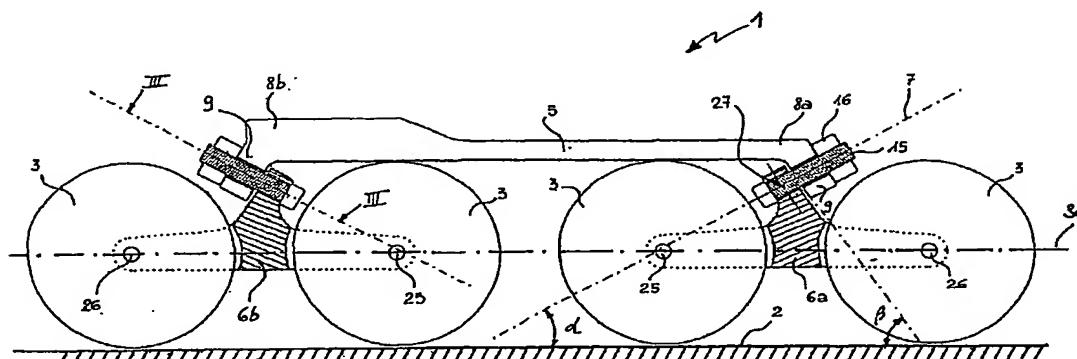
(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

— with international search report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: STEERING DEVICE FOR SPORTS ARTICLES PROVIDED WITH SUPPORTING AND SLIDING ELEMENTS IN AN IN-LINE ARRANGEMENT



(57) Abstract: The present invention refers to a steering device for sports articles (1) adapted to slide on a supporting surface (2) by means of a plurality of supporting and sliding elements (3) provided in an in-line arrangement; the steering device comprises a chassis (5), to which there is associated at least a carriage 6a adapted to swing relative to said chassis (5), against the force of elastic means (17, 18), about an axis (7) that is inclined by an angle (x) with respect to said supporting surface (2) and lies substantially on the median longitudinal plane (4) of the chassis (5). The carriage (6a) is adapted to support at least two supporting and sliding elements (3) in a manner that the respective support axes (25, 26) come to lie substantially parallel to said supporting surface (2) on opposite sides with respect to the pivoting, i.e. swinging centre (27) of said carriage 6a relative to said chassis (5).

WO 2005/039710 A1